

## Product Datasheet UBE2I/UBC9 Antibody (orb570417)

Catalog Number orb570417

**Category** Antibodies

**Description** UBE2I/UBC9 Antibody

**Clonality** Polyclonal

**Species/Host** Rabbit

**Isotype** Rabbit IgG

**Conjugation** Unconjugated

**Reactivity** Human, Mouse, Rat

Form/Appearance Lyophilized

**Concentration** Adding 0.2 ml of distilled water will yield a concentration of 500 μg/ml.

**Purification** Immunogen affinity purified.

**Immunogen** E.coli-derived human UBE2I/UBC9 recombinant protein (Position: K65-K146 ).

UniProt ID P63279

MW 18 kDa

**Tested applications** ELISA, FC, ICC, IF, IHC, WB

**Application notes** Western blot, 0.25-0.5μg/ml, Human, Rat Immunohistochemistry (Paraffin-

embedded Section), 0.5-1µg/ml, Human, Mouse, Rat

Immunocytochemistry/Immunofluorescence,  $5\mu g/ml$ , Human Flow Cytometry (Fixed),  $1-3\mu g/1x106$  cells, Human ELISA,  $0.1-0.5\mu g/ml$ , -. Add 0.2ml of distilled

water will yield a concentration of 500ug/ml

**Cross Reactivity** No cross-reactivity with other proteins.

**Biorbyt Ltd.** 

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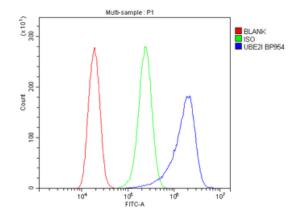
**Antibody Type** Primary Antibody

**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -

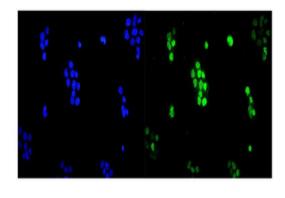
20°C in small aliquots to prevent freeze-thaw cycles.

**Note** For research use only

**Expiration Date** 12 months from date of receipt.



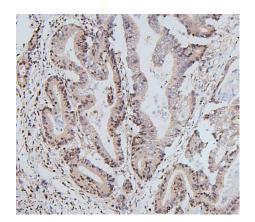
Flow Cytometry analysis of A431 cells using anti-UBE2I/UBC9 antibody. Overlay histogram showing A431 cells (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-UBE2I/UBC9 Antibody (1  $\mu g/1x10^6$  cells) for 30 min at 20°C. DyLight® 488 conjugated goat anti-rabbit IgG (5-10  $\mu g/1x10^6$  cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1  $\mu g/1x10^6$ ) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



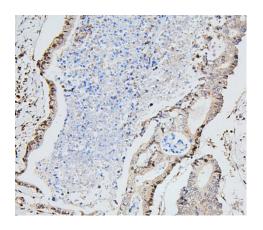
IF analysis of UBE2I/UBC9 using anti-UBE2I/UBC9 antibody. UBE2I/UBC9 was detected in immunocytochemical section of A431 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5  $\mu$ g/mL rabbit anti-UBE2I/UBC9 Antibody overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



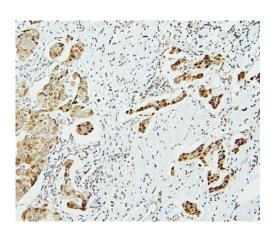




IHC analysis of UBE2I/UBC9 using anti-UBE2I/UBC9 antibody. UBE2I/UBC9 was detected in paraffin-embedded section of human colon cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1  $\mu$ g/ml rabbit anti-UBE2I/UBC9 Antibody overnight at 4°C. Biotinylated goat antirabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC analysis of UBE2I/UBC9 using anti-UBE2I/UBC9 antibody. UBE2I/UBC9 was detected in paraffin-embedded section of human colon cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1  $\mu$ g/ml rabbit anti-UBE2I/UBC9 Antibody overnight at 4°C. Biotinylated goat antirabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

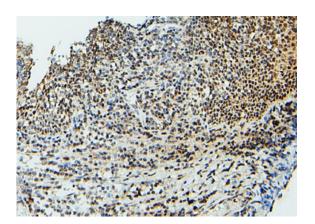


IHC analysis of UBE2I/UBC9 using anti-UBE2I/UBC9 antibody. UBE2I/UBC9 was detected in paraffin-embedded section of human mammary cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1  $\mu$ g/ml rabbit anti-UBE2I/UBC9 Antibody overnight at 4°C. Biotinylated goat antirabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

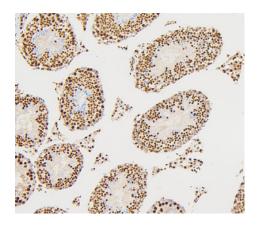
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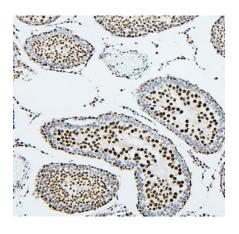




IHC analysis of UBE2I/UBC9 using anti-UBE2I/UBC9 antibody. UBE2I/UBC9 was detected in paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1  $\mu$ g/ml rabbit anti-UBE2I/UBC9 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC analysis of UBE2I/UBC9 using anti-UBE2I/UBC9 antibody. UBE2I/UBC9 was detected in paraffin-embedded section of mouse testis tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1  $\mu$ g/ml rabbit anti-UBE2I/UBC9 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

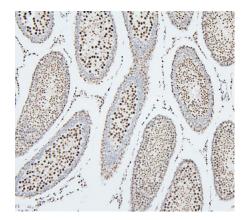


IHC analysis of UBE2I/UBC9 using anti-UBE2I/UBC9 antibody. UBE2I/UBC9 was detected in paraffin-embedded section of rat testis tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1  $\mu$ g/ml rabbit anti-UBE2I/UBC9 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

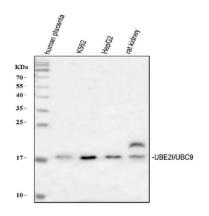
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IHC analysis of UBE2I/UBC9 using anti-UBE2I/UBC9 antibody. UBE2I/UBC9 was detected in paraffin-embedded section of rat testis tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1  $\mu$ g/ml rabbit anti-UBE2I/UBC9 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



Western blot analysis of UBC9/UBE2I using anti-UBC9/UBE2I antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human placenta tissue lysates, Lane 2: human K562 whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: rat kidney tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-UBC9/UBE2I antigen affinity purified polyclonal antibody at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for UBC9/UBE2I at approximately 18 kDa. The expected band size for UBC9/UBE2I is at 18 kDa.

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